Abstract

Layer-3 communication, within a sub-network using a common forwarding agent's sub
network interface and without layer-2 communication, is enabled by a network device
configured with the MAC address of the forwarding agent. The network device
intercepts an ARP request from a sending device intended for a receiving device. The
network device sends an ARP reply containing the MAC address of the forwarding agent
to the sending device. The forwarding agent receives the ARP reply and forwards data
packets received from the sending device to the receiving device through layer-3.

P2ARP - 13 - COM21-P002